

Converting Colors

CIELCh(27, 55.320, 344.672)

Have a look what the booklet for
CIELCh(27, 55.320, 344.672)
contains.

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Color

CIELCh(27, 54.761, 344.860)

Conversions

Conversions Part 1

Format	Color
Hex	7E0057
RGB	126, 0, 87
RGB Percent	49%, 0%, 34%
CMY	0.5068, 1.0000, 0.6596
CMYK	0.00, 1.00, 0.31, 0.51
HSL	319°, 100%, 25%
HSV	319°, 100%, 49%
XYZ	10.2774, 5.0937, 9.4150
YIQ	47.5920, 47.1690, 53.7690

Conversions

Conversions Part 2

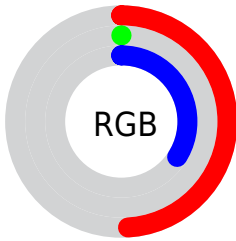
Format	Color
R_{YB}	126, 0, 87
Decimal	8257623
CIE _{Lab}	27.00, 52.86, -14.30
CIE _{LCh}	27, 54.761, 344.860
Yxy	5.0937, 0.4146, 0.2055
Android (android.graphics.Color)	4286447703 (0xFF7E0057)
YUV	47.5920, 19.4281, 68.7638
Hunter-Lab	22.5692, 41.7878, -8.9351

Details

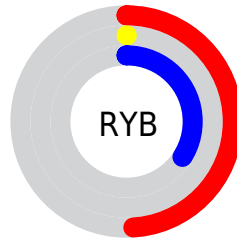
The CIELCh color **27, 54.761, 344.860** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **46, 61.363, 142.165**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 54.776, 344.642**, and **13, 35.515, 350.795** is the 20% darker color. If you saturate the color by 10%, you get **27, 54.679, 344.879**, and if you desaturate by 10%, it is **28, 53.304, 343.221**.

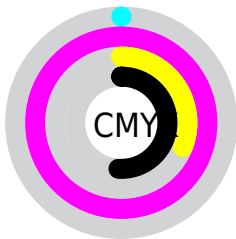
Distribution



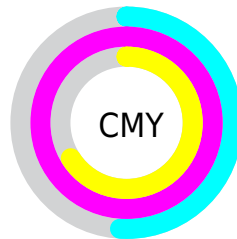
- Red (49%)
- Green (0%)
- Blue (34%)



- Red (49%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (31%)
- Black (51%)



- Cyan (51%)
- Magenta (100%)
- Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 54.761, 344.860 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 27, 54.761, 344.860 by changing the saturation by 10% instead.

 27, 54.761,
344.860

 27, 54.761,
344.860

 100, 54.761,
344.860

 17, 54.761,
344.860

 47, 54.761,
344.860

 7, 54.761, 344.860

 57, 54.761,
344.860

 0, 54.761, 344.860

 67, 54.761,
344.860

 77, 54.761,
344.860

 87, 54.761,
344.860

 97, 54.761,

344.860

■ 27, 54.761,
344.860

■ 27, 54.761,
344.860

■ 27, 54.679,
344.879

■ 28, 53.304,
343.221

■ 29, 50.914,
341.742

■ 31, 47.014,
340.495

■ 33, 41.837,
339.416

■ 36, 35.701,
338.457

■ 39, 28.929,
337.587

■ 42, 21.793,
336.783

■ 46, 14.502,
336.031

■ 49, 7.207, 335.314

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



27, 54.761, 344.860



46, 61.363, 142.165

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



27, 54.761, 344.860



27, 54.761, 34.860



27, 54.761, 164.860



27, 54.761, 214.860

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



27, 54.679, 344.879



54, 26.966, 336.838



15, 76.615, 308.629



26, 18.288, 337.110



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27, 54.679, 344.879



36, 65.813, 345.403



25, 54.148, 27.466



25, 4.105, 335.251



27, 55.206, 344.909



0, 0.000, 0.000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



27, 54.679, 344.879



36, 65.813, 345.403



47, 36.526, 171.499



25, 4.105, 335.251



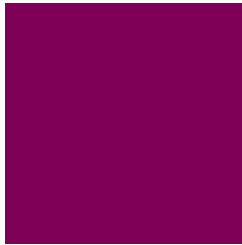
27, 55.206, 344.909



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 27, 54.761, 344.860 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 27, 54.761, 344.860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

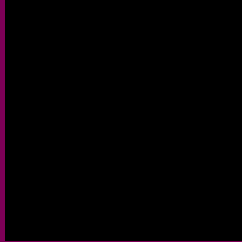
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 27, 54.761, 344.860

Background



This preview shows how black text looks on a background with the CIELCh color 27, 54.761, 344.860.



This preview shows how white text looks on a background with the CIELCh color 27, 54.761, 344.860.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
27, 54.761, 344.860

Protanopia
29, 37.530, 285.649

Deuteranopia
29, 9.713, 294.436



Tritanopia
28, 43.410, 28.645

Trichromacy



Original Color
27, 54.761, 344.860

Protanomaly
24, 45.223, 309.468

Deuteranomaly
25, 31.808, 330.360

Tritanomaly
27, 44.726, 9.695

Monochromacy



Original Color
27, 54.761, 344.860

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 27.812, 339.896

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 54.761, 344.860 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(126, 0, 87)` looks like.

```
.text, #text, p{  
    color:rgb(126, 0, 87)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(126, 0, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 0, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 54.761, 344.860 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(126, 0, 87) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(126, 0, 87) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(126, 0, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 0, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 0, 87);  
box-shadow:4px 4px 4px 4px rgb(126, 0, 87)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 54.761, 344.860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 0, 87) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(126, 0,  
87) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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